

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/913,762
Source: 1FW/6
Date Processed by STIC: 3/18/05

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/24/05

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 09/913,762

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences
 (NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000
- 9 Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
 In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 Invalid <213>
 Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
 Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
 (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n/Xaa "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid



IFW16

RAW SEQUENCE LISTING

DATE: 03/18/2005

PATENT APPLICATION: US/09/913,762

TIME: 10:41:08

Input Set : A:\9446.2 Sequence Listing CRF.TXT

Output Set: N:\CRF4\03182005\I913762.raw

3 <110> APPLICANT: Milligan, Graeme
 4 Rees, Edward S.
 6 <120> TITLE OF INVENTION: Receptor Assay
 8 <130> FILE REFERENCE: 9013-13
 10 <140> CURRENT APPLICATION NUMBER: 09/913,762
 11 <141> CURRENT FILING DATE: 2001-11-27
 13 <150> PRIOR APPLICATION NUMBER: GB 9903767.3
 14 <151> PRIOR FILING DATE: 1999-02-18
 16 <160> NUMBER OF SEQ ID NOS: 17
 18 <170> SOFTWARE: PatentIn version 3.2
 20 <210> SEQ ID NO: 1
 21 <211> LENGTH: 63
 22 <212> TYPE: DNA
 23 <213> ORGANISM: Artificial sequence
 25 <220> FEATURE:
 26 <223> OTHER INFORMATION: Primer
 28 <400> SEQUENCE: 1
 29 aaaaaaaagc ttgccaccat ggactacaag gacgacgatg ataaggggca acccggaac 60
 31 ggc 63
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 35 <211> LENGTH: 36
 36 <212> TYPE: DNA
 37 <213> ORGANISM: Artificial sequence
 39 <220> FEATURE:
 40 <223> OTHER INFORMATION: Primer
 42 <400> SEQUENCE: 2
 43 aaaaaggatc ctcccgccag cagtgagtca ttgtga 36
 46 <210> SEQ ID NO: 3
 47 <211> LENGTH: 27
 48 <212> TYPE: DNA
 49 <213> ORGANISM: Artificial sequence
 51 <220> FEATURE:
 52 <223> OTHER INFORMATION: Primer
 54 <400> SEQUENCE: 3
 55 atggactaca aggacgacga tgataag 27
 58 <210> SEQ ID NO: 4
 59 <211> LENGTH: 32
 60 <212> TYPE: DNA
 61 <213> ORGANISM: Artificial sequence
 63 <220> FEATURE:
 64 <223> OTHER INFORMATION: Primer
 66 <400> SEQUENCE: 4
 67 aaaaaggatc cagtaaagga gaagaacttt tc 32

Does Not Comply
Corrected Diskette Needed

pp 2-3

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TIME: 10:41:08

Input Set : A:\9446.2 Sequence Listing CRF.TXT

Output Set: N:\CRF4\03182005\I913762.raw

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73 <213> ORGANISM: Artificial sequence
75 <220> FEATURE:
76 <223> OTHER INFORMATION: Primer
78 <400> SEQUENCE: 5
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82 <210> SEQ ID NO: 6
83 <211> LENGTH: 28
84 <212> TYPE: DNA
85 <213> ORGANISM: Artificial sequence
87 <220> FEATURE:
88 <223> OTHER INFORMATION: Primer
90 <400> SEQUENCE: 6
91 ggaaggtacc agtaaaggag aagaactt 28
94 <210> SEQ ID NO: 7
95 <211> LENGTH: 36
96 <212> TYPE: DNA
97 <213> ORGANISM: Artificial sequence
99 <220> FEATURE:
100 <223> OTHER INFORMATION: Primer
102 <400> SEQUENCE: 7
103 tgctctagat tatttgata gttcatccat gccatg 36
106 <210> SEQ ID NO: 8
107 <211> LENGTH: 27
108 <212> TYPE: DNA
109 <213> ORGANISM: Artificial sequence
111 <220> FEATURE:
112 <223> OTHER INFORMATION: Primer
114 <400> SEQUENCE: 8
115 gacggtacct ctaaaatgaa tcccgat 27
118 <210> SEQ ID NO: 9
119 <211> LENGTH: 26
120 <212> TYPE: DNA
121 <213> ORGANISM: Artificial sequence
123 <220> FEATURE:
124 <223> OTHER INFORMATION: Primer
126 <400> SEQUENCE: 9
127 gtccctggta ccaaagtgcc cgggtg 26
130 <210> SEQ ID NO: 10
131 <211> LENGTH: 10
132 <212> TYPE: PRT
133 <213> ORGANISM: Artificial sequence
135 <220> FEATURE:
136 <223> OTHER INFORMATION: Novel insufficient explanation - give source of genetic
138 <400> SEQUENCE: 10 material - see item 11
140 Ala Gly Ala Gly Ala Gly Ala Gly Ala
141 1 5 10

```

insufficient explanation - give source of genetic material - see item 11 on Error Summary sheet

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DATE: 03/18/2005

TIME: 10:41:08

Input Set : A:\9446.2 Sequence Listing CRF.TXT

Output Set: N:\CRF4\03182005\I913762.raw

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146 <212> TYPE: PRT
147 <213> ORGANISM: Artificial sequence
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150 <223> OTHER INFORMATION: Novel
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154 Ala Gly Ala Gly
155 1
158 <210> SEQ ID NO: 12
159 <211> LENGTH: 6
160 <212> TYPE: PRT
161 <213> ORGANISM: Artificial sequence
163 <220> FEATURE:
164 <223> OTHER INFORMATION: Novel
166 <400> SEQUENCE: 12
168 Ala Gly Ala Gly Gly Ala
169 1      5
172 <210> SEQ ID NO: 13
173 <211> LENGTH: 20
174 <212> TYPE: DNA
175 <213> ORGANISM: Artificial sequence
177 <220> FEATURE:
178 <223> OTHER INFORMATION: Primer
180 <400> SEQUENCE: 13
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184 <210> SEQ ID NO: 14
185 <211> LENGTH: 33
186 <212> TYPE: DNA
187 <213> ORGANISM: Artificial sequence
189 <220> FEATURE:
190 <223> OTHER INFORMATION: Primer
192 <400> SEQUENCE: 14
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196 <210> SEQ ID NO: 15
197 <211> LENGTH: 22
198 <212> TYPE: DNA
199 <213> ORGANISM: Artificial sequence
201 <220> FEATURE:
202 <223> OTHER INFORMATION: Primer
204 <400> SEQUENCE: 15
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208 <210> SEQ ID NO: 16
209 <211> LENGTH: 34
210 <212> TYPE: DNA
211 <213> ORGANISM: Artificial sequence
213 <220> FEATURE:
214 <223> OTHER INFORMATION: Primer
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20

33

22

RAW SEQUENCE LISTING

DATE: 03/18/2005

PATENT APPLICATION: US/09/913,762

TIME: 10:41:08

Input Set : A:\9446.2 Sequence Listing CRF.TXT

Output Set: N:\CRF4\03182005\I913762.raw

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221 <211> LENGTH: 41
222 <212> TYPE: DNA
223 <213> ORGANISM: Artificial sequence
225 <220> FEATURE:
226 <223> OTHER INFORMATION: Primer
228 <400> SEQUENCE: 17
229 ccggtgcagg aggtgcaaaa atggatacct gctctagtaa c 41
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VERIFICATION SUMMARY

DATE: 03/18/2005

PATENT APPLICATION: **US/09/913,762**

TIME: 10:41:09

Input Set : **A:\9446.2 Sequence Listing CRF.TXT**

Output Set: **N:\CRF4\03182005\I913762.raw**